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Application Number <i>08/249182</i>	Filed <i>5/25/94</i>
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US006417338B1

(12) **United States Patent**
Stracke et al.

(10) Patent No.: **US 6,417,338 B1**
(45) Date of Patent: **Jul. 9, 2002**

(54) **AUTOTAXIN: MOTILITY STIMULATING PROTEIN USEFUL IN CANCER DIAGNOSIS AND THERAPY**

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(73) Assignee: **The United States of America as represented by the Department of Health and Human Services**, Washington, DC (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/483,831**

(22) Filed: **Jan. 17, 2000**

Related U.S. Application Data

(63) Continuation of application No. 08/977,221, filed on Nov. 24, 1997, now Pat. No. 6,084,069, which is a division of application No. 08/364,455, filed on Dec. 27, 1994, now abandoned, which is a continuation-in-part of application No. 08/249,182, filed on May 25, 1994, now abandoned, which is a continuation-in-part of application No. 07/822,043, filed on Jan. 17, 1992, now Pat. No. 5,449,753.

(51) Int. Cl.⁷ **A23J 1/00**

(52) U.S. Cl. **530/412; 530/412; 530/350; 530/330; 530/326; 530/324; 435/69.1; 435/7.92; 536/23.1; 536/23.5**

(58) Field of Search **435/69.1, 7.92; 536/23.1, 23.5; 530/350, 330, 326, 324, 412**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

The present invention relates, in general, to autotaxin. In particular, the present invention relates to a DNA segment encoding autotaxin; recombinant DNA molecules containing the DNA segment; cells containing the recombinant DNA molecule; a method of producing autotaxin; antibodies to autotaxin; and identification of functional domains in autotaxin.

4 Claims, 16 Drawing Sheets